



CDF Operations Report

Sung-Won Lee
Texas A&M University

CDF Weekly Meeting
Mar 17, 2005

Store Summary

Store	Start Date	Time [hours]	Initial Lumi [E30]	Int. Lumi Delivered [nb ⁻¹]	Live Lumi [nb ⁻¹]	Live Lumi w/ Si [[nb ⁻¹]	Comments
4038	3/10	2.6	104.1	821.1	645.3 78.6%	0.0 0%	No Si, Pulsar tests, Ended by QPM at D0
4041	3/11	24.5	92.1	3,522.0	2,922.2 83.0%	120.0 3.4%	Si check-out, muon tripps, Pulsar tests
4042	3/12	31.1	111.3	4,790.2	3,867.4 80.7%	106.6 2.2%	SMX calib. Prob. Si check-out, Pulsar tests,
4043	3/14	26.0	104.0	3,807.1	2,699.2 70.9%	239.6 6.3%	SVT problem, No Si
4044	3/15	29.6	111.1	4,615.5	3,552.5 77%	3241.6 70.2%	EVB problem CMX/SVX HV trip
4046	3/17		107.5				In progress Smooth running Now
Total	10-17	113.8	104.5	17.6 pb ⁻¹	13.7 pb ⁻¹ 77.8%	3.8 pb ⁻¹ 21.6%	

CDF Operations

- Silicon Status
 - Silicon was left at standby for 3 stores since last Thursday
 - Test runs with beam were taken this weekend:
 - NO L00 damage found, Most of SVX damage was to z-side readout, so SVT is OK
 - Get Silicon back since Monday (Tuesday actually)
- Pulsar Commissioning and Plan
 - Comparison b/w Pulsar and Alpha show that Pulsar is nearly ready to go in full time
 - Plan: End-of-Store tests, plan to use pulsar to drive L2 for the entire store
- SVT Problem during the Store 4043 (Monday)
 - L2 DT occurred in run with silicon and bunch counting mismatch are also observed, Silicon was taken out of the readout until the problem was solved by SVT experts.
 - found that the problem was due to some incompatibility between the current setup for timing measurement.
- Misc.
 - New physics trigger tables are up and running.
 - SMX QIE calibration problems led to delay in starting run at beginning of store 4042
 - 2 hours controlled access (yesterday)
 - Silicon maintenance, CMX miniskirt HV, installed a new CCU for the NW BSU
 - New single shift integrated luminosity record of 1.61 pb⁻¹ for the 3/14 owl shift!!